



ITCOGEL T 210 | TECHNICAL DATA SHEET

ITCOGEL T 210 Tube Filling Compound (Thixotropic Jelly) is a soft, non-melting, transparent, water barrier compound. It is based on synthetic and aliphatic hydrocarbons and has been formulated to meet a wide range of processing and performance requirements. It is used in filling, buffering of loose tube and direct laid fibres in slotted core and ribbon designs of Optical Fibre Cables.

ITCOGEL T 210 exhibits good stability over a wide temperature range of - 50°C to + 85°C.

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| Appearance | Transparent Gel without Visible impurities | Visual (Erichsen Gauge 100 μ) |
| Flash Point COC - °C | > 230 | ASTM D 92 |
| Drop Point - °C | > 200 | ASTM D 566 |
| Viscosity at 25°C, D = 50 1/S - mPas | 4600 ± 600 | DIN 53019 |
| Cone Penetration - 1/10 mm at + 25°C at - 40°C Typical Values : at + 25°C at - 40°C | ≥ 400 > 230 420 270 | ASTM D 937 |
| Density at 25°C - g/cm ³ | 0.83 ± 0.01 | ASTM D 1217 |
| Volatility, 24 hrs at 150°C - % | < 1 | FTM 791 C |
| Oil Separation, 24 hrs at 150°C - % | Zero | FTM 791 C |
| Oxidation Induction Time, 190°C Alu. Pan - minutes | > 30 | ASTM D 3895 |
| Hydrogen Generation, 24 hrs at 80°C - μl/g | < 0.03 | ITCO : ITM 28 |

Packing In metal drums with epoxy lining: Height – 885 mm, Internal Diameter – 570 mm, 170 Kg Nett weight.
In Bulk Bag (Fluid Bag) with 750 Kg Nett weight. In IBC with 825 kg Nett Weight.

Storage Minimum 3 years in original packed condition stored at room temperature.

Safety As per our knowledge and available information, ITCOGEL T 210 does not pose any health hazard. For further information, please refer to MSDS a copy of which is available upon request.

Compatibility ITCOGEL T series products have been tested and found compatible with most of the associated cable materials including Fibre Coatings and Colouring Inks. Further information is available upon request.

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